

GOOD SHEPHERD CATHOLIC BOYS' SECONDARY SCHOOL, OYEDE  
MID-TERM BREAK ASSIGNMENTS, 3<sup>RD</sup> TERM 2020/2021 ACADEMIC SESSION

CLASS: S.S. 1

**BIOLOGY**

1. State three effects of fertilizers on the ecosystem
2. What are the pyramids of numbers and biomass?
3. What are the lifecycle classifications of plants?
4. Explain the following
  - i. GPP
  - ii. NPP
5. What are decomposers?

**GENERAL MATHEMATICS**

1. A tin has radius 4m and height 3.5m. Calculate to 1 decimal place, the total surface area of the tin when: (a) one end is opened (b) both ends are closed (c) volume in litre, of the liquid that will fill the tin to capacity.
2. A metal box has external dimension of 200cm by 100cm by 50cm. if the metal is 10cm thick, what is the volume of the metal used in making the box, if it is opened at both ends.
3. A frustum of a cone has its top and bottom diameters as 14cm and 10cm respectively, and a depth of 6cm. find the volume of the frustum to the nearest 3 s f. (Take  $\pi = \frac{22}{7}$ )

**ANIMAL HUSBANDRY**

1. Briefly describe the pig management system
2. Define incubation

**PHYSICS**

1. a. Explain the terms cohesion and adhesion.

- b. State three examples to illustrate the effects of surface tension.
2. A television 65W, a refrigerator 1200W, an electric kettle 650W, and 10 lamps 40W each are connected in series in a house. How much will it cost the housekeeper to switch on all the appliances for 24hrs if the cost of electricity is 15 Kobo per KWh.

## ENGLISH LANGUAGE

- A. Rewrite the paragraph below, adding commas, full stop and capital letters where needed.**

the case of mrs Amanda is a classic example of the saying that "It never rains, but it pours." here was a woman who had lost her husband in a road accident seven years after their wedding having to fend alone for their children she struggled to make ends meet by augmenting her income as a copy-typist with petty-trading

- B. Study the following sentences and break them into main and subordinate clauses:**

- i. The woman who sent you to call me is my mother.
- ii. We ate our food which was kept on the dining table for us but we were not satisfied.
- iii. Ada bought a new pair of shoes but it was undersized.
- iv. The boy who is working in the library is my intimate friend.
- v. This is the girl who danced very well at the party.

- C. Change the following nouns to adjectives by using the appropriate suffixes:**

- i. Courage
- ii. Critic
- iii. Defense
- iv. Harm
- v. Reason
- vi. Response
- vii. Right
- viii. Success

- ix. Politics
- x. Occupation

## LITERATURE IN ENGLISH

### Wole Soyinka's **The Lion and the Jewel**

1. Summarize the plot structure of the play
2. Justify the fate of Lakunle as the play is ending
3. Attempt a detailed profile of Soyinka's Chief Baroka
4. Outline two major themes in the text and discuss them in detail

## CHEMISTRY

1. Mention the types of cracking.
2. List the petroleum products you know.
3. Using a diagrammatic illustration, show how hydrocarbons are classified.
4. Describe the industrial mining of diamond.

## ECONOMICS

1. What is public corporation?
2. Mention four (4) importance of population census.
3. Explain the types of population census

## HISORICAL STUDIES

1. What were the reasons for the European penetration of Nigeria?
2. Who are the explorers?. List five of them
3. What do you understand by the legitimate trade?

## CIVIC EDUCATION

1. Define Orderliness
2. List 2 forms of orderliness
3. Mention 3 roles of orderliness in the society

## GEOGRAPHY

1. (a) Define Earthquake.  
(b) Highlight on four effects of earthquake.  
(c) What is the instrument used to measure the intensity of an earthquake?.
2. (a) Define Gentle slope.  
(b) Define Even slope.  
(c) List four types of slopes.  
(d) Define Intervisibility

## FINANCIAL ACCOUNTING

1. Define the term "Depreciation"
2. List and explain four causes of depreciation
3. A machine cost N120, 000. Depreciation to be written off is given as 6%.  
Write off the provision for the first four years

## HOME MANAGEMENT

1. Outline five guidelines for selecting the use of Insecticides
2. Highlight simple ways for maintaining the home
3. List and explain three sources of water

## GOVERNMENT

1. Give **three** reasons why some political systems decentralize political powers.
2. The practice of delegated legislation has been heavily criticized. Give any **two** reasons for these criticisms.
3. Under what **five** circumstances a naturalized citizen could be disqualified of his/her acquired citizenship?

## AGRICULTURAL SCIENCE

1. Define the term simple farm tools.
2. List five simple farm tools.
3. Highlights on two maintenance practices of the rake.
4. Highlights on four maintenance practices of the tractor.

#### FURTHER MATHEMATICS

1. Draw the graph of  $y = \sin x$  and  $y = \cos x$  for values of  $x$  from  $0^\circ$  to  $360^\circ$  on the same axes. Use a scale of 1 cm to represent 1 unit on the y-axis.
  - a. The value of  $x$  for which  $\sin x = \cos x$  for  $0^\circ < x < 90^\circ$
  - b.  $3 \sin 270^\circ + 2 \cos 360^\circ$
  - c.  $\sin 90^\circ + \frac{1}{4} \cos 180^\circ$
2. Draw a graph of  $y = \sin \theta$  and  $y = 2 \sin x$  for the values of  $-180^\circ$  to  $180^\circ$  on the same axes. Choose your scale.
  - a. From the graph find the value of  $4 \sin x - 1 = 0$
  - b. The value of  $x$  for which  $\sin x = 2 \sin x$  for  $0^\circ < x < 90^\circ$

#### CHRISTIAN RELIGIOUS STUDIES

- 1). What reasons did Paul present to argue that faith in Jesus rather than the law gives justification?
- 2). How did Paul's reference to Abraham place faith as superior to law in the salvation of Man?